BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 1030000.00

Name of Work: Detailed Estimate for the work of Providing Asphalting to AD colony main road in ward No-02 of yelahanka Sub Division.

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-2.1 earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No. KBS 2.1(a) / 2.3.5, No. 5/ Item No 2.3/ PWD SR 2012-13	cum							
	for Culvert		3	5.00	2.00	1.50	54.00		
	for RCC drain		1	40.00	0.90	0.90	32.40		
			1	35.00	1.10	0.80	30.80		
	for CC road		1	40.00	2.50	0.20	20.00		
							137.20	135.00	18522.00
	Basic Rate	125.00							
	Area Weightage @ 8%	10.00							
	Total	135.00							
2	KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing loper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 141 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a cislance of 4.00 K.M (Item No 17.4 Page 141 (SR 2012-13)	cum							
				Vide Item No. 2			137.20	78.24	10734.00
	Basic Rate for loading and unloading	62.20							
	Basic Rate for Haulage uplo 4.00 k.m =1.28 X 2 X 4	10.24							
		72.44							
	Area Weightage @ 8%	5.80							
	Total	78.24							

	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRB-4-1.3 Providing and laying in position plain cement concrete of mix M7.5 withOPC cement @ 150kgs with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not exceeding 15cms. thick, well compacted in foundation and plinth including cost of all materials labour, HOM of machinery, curing complete as per specifications Specification No KBS 4.1,4.2, No. 12/ Item No 4.3/ PWD SR 2012-13	Cum							
	for Culvert		2	6.00	1.50	0.15	4.05		
	for RCC drain		1	40.00	0.80	0.15	4.80		
			1	30.00	0.90	0.15	4.05		
	for CC road		1	40.00	2.50	0.15	15.00		
							27.90	3864.76	108384.60
	Basic Rate	3597.00							
	Area Weighlage @ 8%	287.76							
	Total	3884.76							
4	KSRB 4.2.2 Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesiser @ 3lts conforming to IS9103-1999Reinforced machine mixed exceeding 15cms thick vibrated for all works in foundation plinth and ground floor level for roof slabs staircase, lintels retaining walls return walls walls(any thickness) including attached pilasters columns piers, abutments pillars posts struts buttresses string or facing courses parapets coping, box blocks anchor blocks plain window sills fillets etc including cost of all materials labour HOM of machinery curing complete as per specifications Specification No KBS 4.1.4.6 No KBS 4.1.4.6 No 13/ Item No 4.1.1/ PWD SR 2012-13	Cum							
	for Culvert		3	6.00	1.50	0.30	8.10		
	side walls		6	6.00	0.30	0.90	9.72		
	for deck slab		3	6.00	1.50	0.30	8.10		
	for RCC drain bed		1	40.00	0.85	0.10	2.66		
			2	40.00	0.10	0.60	4.80		
			1	30.00	0.90	0.15	4.05		
			2	30.00	0.15	0.70	6.30		
							43.67	5209.08	226791.00
	Basic Rate	4851.00							

	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Area Weightage @ 6%	388.08							
	Total	5209.08							
	KSRB 4.3.2 providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No KBS 4.5.3 Page No. 19/ Item No. 4.46/ PWD SR 2012-13	Quintal							
	for Culvert 90 kg/cum		0.900	25.92			23.33		
	for RCC drain 65kg/cum		0.650	17.75			11.54		
							34.87	7323.48	255337.00
	Basic Rate	6781.00							
	Area Weightage @ 8%	542.48							
	Total	7323.48							
6	KSRB 4-G.6 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness attached pilasters, pilasters, buttresses plinth and string course including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 17/ Item No. 4.31/ PWD SR 2012-13	sqm							
	for Culvert	3x4	12	6.00	0.90		64.80		
	deck bottom		3	6.00	0.90		16.20		
	for RCC drain	1x4	4	40.00	0.60		96.00		
	for RCC drain	1x4	4	30.00	0.70		84.00		
							261.00	244.08	63705.00
	Basic Rate	226.00							
	Area Weightage @ 8%	18.08							
	Total	244.08							
7	RCC Precast covering slab for drain (10cm thick)	sqm							
			1	40.00	0.75		30.00		
			1	30.00	0.90		27.00		
	for existing drain		1	15.00	0.90		13.50		
							70.50	1245.00	87772.00
	Rate Approved by BBMP	1245.00							

	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete for R.C.C works laid in 75mm thick layers and well compacted vibrating curing etc. smooth finish in CM 1:3,with all lead and lift etc., complete. (exclusive of cost of steel and fabrication charges) Ready mixed cement concrete for Beams, column, Staircase and Roof with M-20(cement -320 Kg/Cum) Page No. 19/ Item No. 4.49 I/ PWD SR 2011-12	Cum							
	for CC road		1	40.00	2.50	0.10	10.00		
							10.00	5639.76	56397.60
	Basic Rate	5222.00							
	Area Weightage @ 8%	417.76							
	Total	5639.76							
9	Providing groove cutting for width of 5mm to 100m depth 80mm-100 including cost of cutting machine, generator & HOM of machinery, including cost of blade, coolant etc., including cleaning of groove & providing sand and hot bitumen fillers, and filler metal etc., including cost of conveyance of all materials, Labour, lead and lift charges and all other incidental charges as per drawing and as per specifications do- for concrete pavement Item no 22.80	Rmt							
			14	2.50			35.00		
							35.00	108.00	3780.00
	Basic Rate	100.00							
	Area Weightage @ 8%	8.00							
	Total	108.00							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRB 300- Sacarifying the surface and dressing KSRB 300-44: Scarifying top bituminous surface or surface dressing or premix carpet including picking up scarified materials, stacking of id serviceable materials within a lead of 100 meters by manual means including cost of all labour charges complete as per specifications MORTH chapter 3 No 155/ Item No 19.50/ PWD SR 2012-13	sqm							
			1	260.00	4.50		1170.00		
							1170.00	17.93	20975.76
	Basic Rate	16.60							
	Area Weightage @ 8%	1.33							
	Total	17.93							
11	KSRB M400-17: Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including premixing the material with water at OMC in muchanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications MORTH specification NO 406, No 165/ Item No 20.15/ PWD SR 2012-13	cum							
			1	260.00	4.50	0.15	175.50		
							175.50	1059.46	185939.00
	Basic Rate	981.00							
	Area Weightage @ 8%	78.46							
	Total	1059.46							
12	KSRB M500-6: providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications MORTH specification NO 502, No 171/ Item No 21.6/ PWD SR 2011-12	sqm							
			1	260.00	4.50		1170.00		
							1170.00	39.64	46374.00
	Basic Rate	36.70							
	Area Weightage @ 8%	2.94							
	Total	39.64							

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	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	SRRB M500-15 Providing and laying semi dense bituminous concrete 25mm thick with 100-120 TPH batch type HMP producing and average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.8 complete in all respects as per specifications P. No. 174/ Item No. 21.21/ PWD SR 2011-12	cum							
			1	260.00	4.50	0.025	29.25		
							29.25	8208.00	240084.00
	Basic Rate	7600.00							
	Area Weightage @ 8%	608.00							
	Total	8208.00							
14	Miscellaneous charges								3202.84
								Total	1130000.00

(Rupees Thirteen Lakhs Thirty thousand Only)

CERTIFICATE

1. The work spot has been inspected and the work is found necessary.
2. This estimate is prepared as per C.S.R. of 2012-13.
3. The provisions were made in this estimate are necessary and adequate.
4. This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Yelahanka Sub Division
Bangaloru-64

ADMINISTRATIVELY SANCTIONED FOR Rs. 13.30 Lakhs
Rupees Thirteen Lakhs & Thirty Thousand only
Under P.W.D. 2012-13

Executive Engineer
Yelahanka Division
Bangaloru-64

TECHNICALLY SANCTIONED FOR Rs. 13.30 Lakhs
Rupees Thirteen Lakhs & Thirty thousand only
P.W.D. 2012-13

Reference:
Subject:
enclosed is:
Dt: 28/12/2012 627
dated 13.30 Lakhs

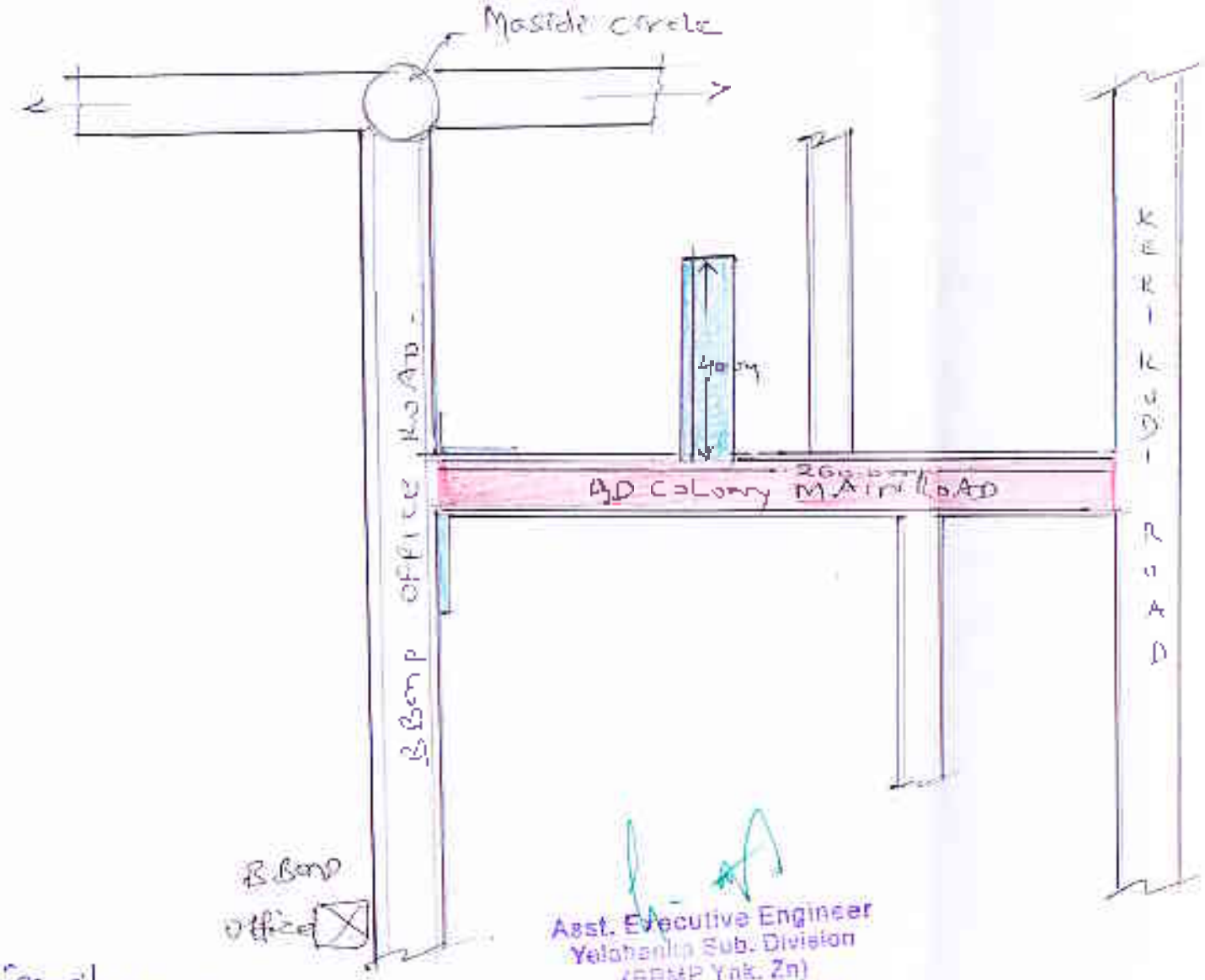
EE/YNK/101/2012-13 101
Dated 04.01.2013 13.30 Lakhs

Executive Engineer

28/12/12

Joint Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92

NAME OF WORK: PROVIDING ASPHALTING TO A.D. COLONY MAIN ROAD. IN WARD NO:102 OF YNK. SUB DIVISION.



Ramanjeenath AE

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanke, Bangalore

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